What is claimed is:

1.   A software providing method for a system of which a broadcasting station broadcasts a program along with authentication information with which each user is
5   authenticated for a viewing license and a user terminal that has the authentication information reproduces a received program with the authentication information, the method comprising the steps of:

causing the broadcasting station to broadcast
10   software that the user terminal needs to download along with the authentication information of the user; and

causing the user terminal that needs to download the software to download the received software with the authentication information of the user.

15   2.   The software providing method as set forth in claim 1,

wherein the software is at least one of application software, an upgraded file of an operating system, and an upgraded file of firmware of the
20   terminal.

3.   The software providing method as set forth in claim 1,

wherein the broadcasting station broadcasts the software so that the user terminal can download the
25   software without the authentication information when the broadcasting station provides free software.

4.   The software providing method as set forth in

claim 1,

wherein the broadcasting station broadcasts the software that the user terminal needs to download along with the authentication information of the user and

5   information about an address of a software provider, and

wherein the user terminal judges whether the broadcasting station has broadcast the program along with the information of the address of the software

10   provider and when the judged result denotes that broadcasting station has broadcast the program along with the information of the address of the software provider, the user terminal transmits prejudged information to the address of the software provider.

15   5.   The software providing method as set forth in claim 4,

wherein the information of the address of the software provider is information about a dial number of a cellular phone or a network address.

20   6.   The software providing method as set forth in claim 4,

wherein the prejudged information includes at least a piece of information about a storage capacity for storing the downloaded software, information about

25   a version of the software, information about an operation state of the software that has been downloaded, and information about user's satisfaction

for the software that has been downloaded.

7.   A software providing method for a system of which
a broadcasting station broadcasts a program along with
authentication information with which each user is
5   authenticated for a viewing license and a user terminal
that has the authentication information reproduces a
received program with the authentication information,
the method comprising the steps of:

causing the broadcasting station to broadcast the
10   authentication information of the user that allows him
or her to load the software or data from a server that
stores the software or the data to the user terminal
and to use the software or data; and

causing the user terminal to load the software or
15   data from the server with the authentication
information of the user broadcast from the broadcasting
station so that the user terminal can use the software
or data.

8.   A software providing method for a system of which
20   a broadcasting station broadcasts a program along with
authentication information with which each user is
authenticated for a viewing license and a user terminal
that has the authentication information reproduces a
received program with the authentication information,
25   the method comprising the steps of:

causing the broadcasting station to broadcast the
authentication information of the user that allows him

or her to load the software or data from a server that stores the software or the data to the user terminal and to use the software or data; and

causing an information device connected to the

5   user terminal to load the software or data from the server and store the software or data to a storage unit of the information device when authentication information stored in the user terminal matches authentication information that the user terminal has

10   received.

9.   A software providing method for a system of which a broadcasting station broadcasts a program along with authentication information with which each user is authenticated for a viewing license and a user terminal

15   that has the authentication information reproduces a received program with the authentication information, the method comprising the steps of:

causing the broadcasting station to broadcast the authentication information of the user that allows him

20   or her to load the software or data from a removable medium that stores the software or the data to the user terminal and to use the software or data; and

causing the user terminal to load the software or data from the removable medium with the authentication

25   information of the user broadcast from the broadcasting station so that the user terminal can use the software or data.

10.   A software providing method for a system of which
a broadcasting station broadcasts a program along with
authentication information with which each user is
authenticated for a viewing license and a user terminal

5   that has the authentication information reproduces a
received program with the authentication information,
the method comprising the steps of:

causing the broadcasting station to broadcast the
authentication information of the user that allows him

10   or her to load the software or data from a removable
medium that stores the software or the data to the user
terminal and to use the software or data; and

causing an information device connected to the
user terminal to load the software or data from the

15   removable medium and store the software or data to a
storage unit of the information device when
authentication information stored in the user terminal
matches authentication information that the user
terminal has received.

20   11.   A software providing system of which a
broadcasting station broadcasts a program along with
authentication information with which each user is
authenticated for a viewing license and a user terminal
that has the authentication information reproduces a

25   received program with the authentication information,
wherein the broadcasting station comprises:
broadcasting means for broadcasting software that

the user terminal needs to download along with the
authentication information of the user, and

wherein the user terminal comprises:

receiving means for receiving a broadcast program

5   along with the software and the authentication
information with which the software is downloaded; and

downloading means for downloading the software
with the authentication information of the user.

12.   The software providing system as set forth in
10   claim 11,

wherein the software is at least one of
application software, an upgraded file of an operating
system, and an upgraded file of firmware of the
terminal.

15   13.   The software providing system as set forth in
claim 11,

wherein the broadcasting station further
comprises:

means for broadcasting the software so that the
20   user terminal can download the software without the
authentication information when the broadcasting
station provides free software.

14.   The software providing system as set forth in
claim 11,

25   wherein the broadcasting means broadcasts the
software that the user terminal needs to download along
with the authentication information of the user and

information about an address of a software provider, and

wherein the user terminal further comprises:

judging means for judging whether the program has been broadcast along with the information of the address of the software provider, and

transmitting means transmitting prejudged information to the address of the software provider when the judged result denotes that the program has been broadcast along with the information of the address of the software provider.

15. The software providing system as set forth in claim 14,

wherein the information of the address of the software provider is information about a dial number of a cellular phone or a network address.

16. The software providing system as set forth in claim 14,

wherein the prejudged information includes at least a piece of information about a storage capacity for storing the downloaded software, information about a version of the software, information about an operation state of the software that has been downloaded, and information about user's satisfaction for the software that has been downloaded.

17. A terminal apparatus that receives a program along with authentication information with which each user is

authenticated for a viewing license from a broadcasting

station and reproduces the program with the

authentication information, comprising:

storing means for pre-storing the authentication

5   information;

receiving means for receiving a broadcast program

along with software and the authentication information

from the broadcasting station;

collating means for collating the authentication

10   information stored in the storing means with the

authentication information received by the receiving

means; and

downloading means for downloading the software

received by the receiving means corresponding to the

15   collating result of the collating means.

18.   The terminal apparatus as set forth in claim 17,

wherein the software is at least one of

application software, an upgraded file of an operating

system, and an upgraded file of firmware of the

20   terminal apparatus.

19.   The terminal apparatus as set forth in claim 17,

wherein the receiving means receives the broadcast

program along with the software, the authentication

information, and information about an address of a

25   software provider, and

wherein the terminal apparatus further comprises:

judging means for judging the broadcast program

has been received along with the information about the
address of the software provider; and

transmitting means for transmitting prejudged
information to the address of the software provider
when the judged result denotes that the broadcast
program has been received along with the information
about the address of the software provider.

20. The terminal apparatus as set forth in claim 19,
wherein the information of the address of the
software provider is information about a dial number of
a cellular phone or a network address.

21. The terminal apparatus as set forth in claim 14,
wherein the prejudged information includes at
least a piece of information about a storage capacity
for storing the downloaded software, information about
a version of the software, information about an
operation state of the software that has been
downloaded, and information about user's satisfaction
for the software that has been downloaded.

22. A terminal apparatus that receives a program along
with authentication information with which each user is
authenticated for a viewing license from a broadcasting
station and reproduces the program with the
authentication information, comprising:

storing means for pre-storing the authentication
information;

receiving means for receiving the authentication

information from the broadcasting station;

collating means for collating the authentication information stored in the storing means with the authentication information received by the receiving

5   means; and

loading means for loading software or data from a server that stores the software or data corresponding to the collating result of the collating means.

23.   A terminal apparatus that receives a program along

10   with authentication information with which each user is authenticated for a viewing license from a broadcasting station and reproduces the program with the authentication information, comprising:

storing means for pre-storing the authentication

15   information;

receiving means for receiving the authentication information from the broadcasting station;

collating means for collating the authentication information stored in the storing means with the

20   authentication information received by the receiving means; and

loading means for loading software or data from a removable medium that stores the software or data corresponding to the collating result of the collating

25   means.

24.   A method of obtaining software with a terminal apparatus that receives a program along with

authentication information with which each user is

authenticated for a viewing license from a broadcasting

station and reproduces the program with the

authentication information, the method comprising the

5   steps of:

pre-storing the authentication information;

receiving a broadcast program along with software

and the authentication information from the

broadcasting station;

10   collating the authentication information stored in

the storing means with the authentication information

received by the receiving means; and

downloading the software received by the receiving

means corresponding to the collating result of the

15   collating means.

25.   A method of obtaining software with a terminal

apparatus that receives a program along with

authentication information with which each user is

authenticated for a viewing license from a broadcasting

20   station and reproduces the program with the

authentication information, the method comprising the

steps of:

pre-storing the authentication information;

receiving the authentication information from the

25   broadcasting station;

collating the authentication information stored in

the storing means with the authentication information

received by the receiving means; and

loading the software or data from a server that stores the software or data corresponding to the collating result of the collating means.

26. A method of obtaining software with a terminal apparatus that receives a program along with authentication information with which each user is authenticated for a viewing license from a broadcasting station and reproduces the program with the authentication information, the method comprising the steps of:

pre-storing the authentication information;

receiving the authentication information from the broadcasting station;

collating the authentication information stored in the storing means with the authentication information received by the receiving means; and

loading the software or data from a removable medium that stores the software or data corresponding to the collating result of the collating means.